Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

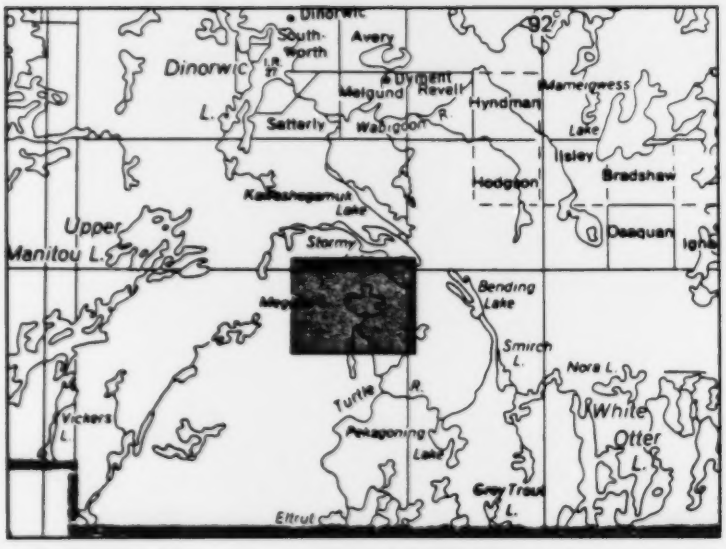
GEOLOGICAL DATA INVENTORY FOLIO

444

# WAPAGEISI LAKE AREA

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora




LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

89-03763/ Number 52F/8 SW

Mining Claim Map Number

Wapageisi Lake Area G - 2598 (M - 2056)

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1988: Wapageisi Lake Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 444; compiled by the staff of the Resident Geologist's Office, Kenora, 23 pages and 2 maps.

Original Compilation by: G. Vogg

| Date | Page Revised | Revised by |
|---|---|---|
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| Date | Page Revised | Revised by |
|---|---|---|
| | | |

Wapageisi Lake Area

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## ACCOMPANYING MAPS


Property Location Map 1
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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | **LENGTH** | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | **AREA** | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | **VOLUME** | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | | **CAPACITY** | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | | **MASS** | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | | **CONCENTRATION** | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

**NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.**

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | YES | GV MAR 87 |
| 2 | Assessment Files Research Office, Toronto | | |
| 3 | ODM General Index; 9 volumes | YES | GV MAR 87 |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | | |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | NO | GV MAR 87 |
| 6 | ODM Industrial Mineral Reports | NO | GV MAR 87 |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | NO | GV MAR 87 |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | YES | GV MAR 87 |
| 9 | Newspaper Clippings File | YES | GV MAR 87 |
| 10 | GSC Index to Publications | | |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | YES | GV MAR 87 |
| 12 | OGS Index Maps | YES | GV MAR 87 |
| 13 | Source Mineral Deposit Records (O.G.S.)/MDIR's (OGS)/NMI's (EMR) | YES | GV MAR 87 |
| 14 | Author - Subject Articles File | | |
| 15 | Miscellaneous Papers: ODM & OGS | YES | GV MAR 87 |
| 16 | ODM Geological Circulars: OGS Study Series | NO | GV MAR 87 |
| 17 | ODM Preliminary Reports: ODM Bulletins | YES | GV MAR 87 |
| 18 | ODM – OGS Open File Reports | YES | GV MAR 87 |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | YES | GV MAR 87 |
| 20 | OGS Aggregate Resources Inventory Papers | NO | GV MAR 87 |
| 21 | OGS Mineral Potential Maps | YES | GV MAR 87 |
| 22 | Theses on File, Kenora | YES | GV MAR 87 |
| 23 | Aerial Photos on File, Kenora | YES | GV MAR 87 |
| 24 | OBM Maps on File, Kenora | NO | GV MAR 87 |
| | Topographic Maps on File, Kenora | | |
| | OBM maps (1:20,000) | NO | GV MAR 87 |
| | NTS maps (1:50,000) | YES | GV MAR 87 |

# METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- ▲ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- ▲ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- ▲ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- ▲ gf . . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- ▲ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- ▲ mag . . . . . .Magnetite
- ▲ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . .Sodalite
- △ spec . . . . . .Specularite
- ▲ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr . . . . . Zircon
- ▲ s. . . . . .sulfide
- ▲ az. . . . . .azurite

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

or mentioned within Drillhole Summary or Mineral Occurrences.

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Wapageisi Lake Occurrence | po,cp,sp | NMI $Cu_2$ | | Assessment files (52F/8 SW): B-1, C-1, C-2 |
| B | Kozowy, A. - Fox Lake Occurrence | Au,py,bn,az, mc,cp,asp | | | Assessment file (52F/8 SW): K-1 |
| C | Unnamed | Au,py | | | Assessment file (52F/8 SW): K-1 |
| D | Unnamed | py,po | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| E | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| F | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| G | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| H | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |
| I | Unnamed | py,po,gf | | | Assessment file (52F/8 SW): C-2 |
| J | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |
| K | Unnamed | py | | | Assessment file (52F/8 SW): C-2 |
| L | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |
| M | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |
| N | Unnamed | py,mag | | | Assessment file (52F/8 SW): C-2 |

GDIF FORM NO. 1

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| O | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| P | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| Q | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| R | Unnamed | py | | | Assessment file (52F/8 SW): C-2 |
| S | Unnamed | py,po,gf | | | Assessment file (52F/8 SW): C-2 |
| T | Unnamed | py, lim | | | Assessment file (52F/8 SW): C-2 |
| U | Unnamed | py,po,gn,cp | | | Assessment file (52F/8 SW): C-2, T. Greenland Prospecting - (general file) |
| V | Unnamed | float (py,gn, cp) | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| W | Unnamed | float (py, po,cp) | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| X | Unnamed | py | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| Y | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): C-2 |
| Z | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| AA | Unnamed | po,py,cp | | | Assessment file (52F/8 SW): C-2 |
| BB | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |
| CC | Unnamed | py | | | Assessment file (52F/8 SW): C-2 |
| DD | Unnamed | py | | | Assessment file (52F/8 SW): C-2 |
| EE | Unnamed | py | | | Assessment file (52F/8 SW): C-2 |
| FF | Unnamed | py,po,gf | | | Assessment file (52F/8 SW): C-2 |
| GG | Unnamed | py,po,sp,cp | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| HH | Unnamed | py,po,cp | | | Assessment file (52F/8 SW): T. Greenland Prospecting - (general file) |
| II | Unnamed | po,mag,gf | | | Assessment file (52F/8 SW): H-1 |
| JJ | Unnamed | po,mag | | | Assessment file (52F/8 SW): H-1 |
| KK | Unnamed | po,gf | | | Assessment file (52F/8 SW): H-1 |
| LL | Unnamed | po,py,gf | | | Assessment file (52F/8 SW): H-1 |
| MM | Unnamed | po | | | Assessment file (52F/8 SW): H-1 |
| NN | Unnamed | po,mag | | | Assessment file (52F/8 SW): H-1 |
| OO | Unnamed | py,po | | | Assessment file (52F/8 SW): C-2 |

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 1. | Canadian Nickel Co. Ltd. 52F/8 SW; A-1 | | | | 72 | | | | | | | | | | | | | | | |
| 2. | Dejour Mines Ltd. 52F/8 SW; B-1 | | | | | | | 70 | | | | | | | | | | | | |
| 3. | Derry, Michener and Booth 52F/8 SW; C-1 | | | | | | | | 70 | 70 | | | | | | | | | | |
| 4. | Derry, Michener and Booth 52F/8 SW; C-2 | 70 | | 70 | 70 | 70 | | | 70 | 70 | | 70 | 70 | | | 70 | | | | |
| 5. | Duncan R. Derry Ltd. 52F/8 SW; D-1 | | | | 71 | | | | | | | | | | | | | | | |
| 6. | Essex Minerals Company 52F/8 SW; I-1 | | | | | | | | | | | 82 | 82 | | | | | | | |
| 7. | Jalna Resources Ltd. 52F/8 NW; Z-1 | | | | | | | | 85 | 85 | | | | | | | | | | |
| 8. | Jalna Resources Ltd. 52F/7 SW; Z-5 | 83 | 83 | 83 | | 83 | | | | | | | | | | | | | | |
| 9. | Kozowy, A. 52F/8 SW; K-1 | 85 | | 85 | | 85 | | | | | | | | | | | | | | |

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 10. | Kozowy, A.<br>52F/8 SW; K-2 | | | | | | | | 85 | 85 | | | | | | | | | | |
| 11. | Rayrock Mines Ltd.<br>52F/8 SW; E-1 | | | | | | | 70 | | | | | | | | | | | | |
| 12. | Rogers, Stephen<br>52F/8 SW; F-1 | | | 72 | | | | | | | | | | | | | | | | |
| 13. | Selco Mining Corp.<br>52F/8 SW; G-1 | | | | | | | | | | | 78 | 78 | | | | | | | |
| 14. | Selco Mining Corp.<br>52F/8 SW; G-2 | | | | 79 | | | | | | | | | | | | | | | |
| 15. | Sulpetro Minerals Ltd.<br>52F/8 SW; H-1 | 82 | | | | | | | | | | | | | | | | | | |
| 16. | T. Greenland Prospecting<br>52F/8 SW (general file) | | | 65? | | | | 65? | | | | | | | | | | | | |



GDIF FORM NO.

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (ft.) | Total Length of Hole (ft.) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1. | Canadian Nickel Co. Ltd. | 48568-C | May/72 | 180° | -45° | 10.0 | 157.0 | po,py,cp, s | |
| 2. | Canadian Nickel Co. Ltd. | 48569-C | May/72 | 180° | -45° | 30.0 | 140.0 | po,py,cp,sp, s | |
| 3. | Duncan R. Derry Ltd. | 1 | May/71 | S | -50° | 44.0 | 53.0 | none | |
| 3. | Duncan R. Derry Ltd. | 2[1] | May?/71 | SW? | -50° | ? | ? | ? | ? |
| 3. | Duncan R. Derry Ltd. | 3 | May/71 | S | -50° | 5.0 | 104.0 | po,cp | |
| 4. | Derry, Michener & Booth | W-1[1] | 1970 | vertical | -90°? | ? | ? | py,po | ?[2] |
| 5. | Derry, Michener & Booth | W-2[1] | 1970 | SE | -72° | ? | ? | py,po | ?[2] |
| 6. | Derry, Michener & Booth | W-3[1] | 1970 | ESE | -73° | ? | ? | ? | ?[2] |
| 7. | Derry, Michener & Booth | W-4[1] | 1970 | WSW | ? | ? | ? | ? | ?[2] |
| 8. | Derry, Michener & Booth | W-5[1,3] | 1970 | SWS | ? | ? | 128.0 | none | |
| 9. | Derry, Michener & Booth | 12-1[1] | 1970 | SW | ? | ? | ? | none | ? |
| 10. | Derry, Michener & Booth | 12-2[1] | 1970 | SW | ? | ? | ? | po,py,cp | ? |
| 11. | Derry, Michener & Booth | 12-3[1] | 1970 | SW | ? | ? | ? | ? | ? |

NOTE:1 No Log available. Information from report and/or accompanying maps.
2 Report cites 4 holes (W-1,2,3 and 4) drilled on grid 6 intersecting py,po and minor cp with the best intersection giving 0.29% Cu and 0.72% Zn over 1.7'.
3 Report indicates hole W-5D also drilled, but location not shown on available accompanying maps.

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (ft.) | Total Length of Hole (ft.) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 12. | McIntyre Mines | S-1[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 12. | McIntyre Mines | S-2[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 12. | McIntyre Mines | S-3[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 12. | McIntyre Mines | S-4[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 12. | McIntyre Mines | S-5[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 13. | McIntyre Mines | S-6[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 14. | McIntyre Mines | S-7[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 15. | McIntyre Mines | S-8[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 15. | McIntyre Mines | S-11[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 16. | McIntyre Mines | S-9[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 16. | McIntyre Mines | S-12[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 17. | McIntyre Mines | S-10[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 18. | McIntyre Mines | S-13[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 19. | McIntyre Mines | S-14[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 19. | McIntyre Mines | S-15[4] | 1956? | ? | ? | ? | ? | ? | ? |
| | Note:4 No log available. | See assessment file | | Derry, Michener and Booth (52F/8 SW; C-2) | | | | | |



GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (ft.) | Total Length of Hole (ft.) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 20. | McIntyre Mines | S-16[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 20. | McIntyre Mines | S-17[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 20. | McIntyre Mines | S-18[4] | 1956? | ? | ? | ? | ? | ? | ? |
| 21. | Selco Mining Corp. Ltd. | 175-36-1 | Mar-Apr /79 | S | -50° | 19.0 | 2 88.0 | po,py | |

Note:4 No log available. See assessment file Derry, Michener and Booth (52F/8 SW; C-2).

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

GDIF FORM NO. 3

# AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By / For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| 3. | By: Questor Surveys Ltd.<br>For: Dryden Project Syndicate (Derry, Michener & Booth)<br>52F/8 SW; C-1 | INPUT - Electromagnetic, Magnetic | 400 ft. | NE - SW | 880 ft. |
| 4. | By: Questor Surveys Ltd.<br>For: Dryden Project Syndicate (Derry, Michener & Booth)<br>52F/8 SW; C-2 | INPUT - Electromagnetic, Magnetic | 400 ft. | NE - SW | 880 ft. |
| 8. | By: Geotech Ltd. (interpretatation by Paterson, Grant & Watson Ltd.)<br>For: Jalna Resources Ltd.<br>52F/8 NW; Z-1 | HEM - Electromagnetic,<br>VLF - Electromagnetic, Magnetic | 200 ft. | N25°E | 660 ft. |
| 10. | By: Terraquest Ltd.<br>For: Voyager Explorations Ltd. (Kozowy, A.)<br>52F/8 SW; K-2 | VLF - Electromagnetic, Magnetic | 100 m | 090° | 100 m |

GDIF FORM NO. 4

## GEOCHEMICAL SURVEY DATA

| Map Sample Site Reference Number | Type of Survey | Analysis For | By | Reference |
|---|---|---|---|---|
| 8. | Lithogeochemistry | Au,Ag,Cu,Pb,Zn,Ni,Co,Sb,As,Mo,W, U,Th,Sr,Cd,La,Bi,Ti,V,Cr,Ba,B,Al, K,Na,Ca,Mg,Mn,Fe,P | Jalna Resources Ltd. | Assessment file 52F/7 SW; Z-5 |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

No age dating available as of March 1987.

GDIF FORM NO.6

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.-Kenora

Jalna Resources Ltd.

Sulpetro Minerals Ltd.

# ODM GENERAL INDEX SEARCH

**Words searched:** Beak Lake, Canadian Nickel Co. Ltd., Cerro Mining Co. of Canada, Dejour Mines Ltd., Derry Michener & Booth, Duncan R. Derry Ltd., Elgin Petroleum Corp. Ltd., Ellen's Lake, Essex Minerals Co., Fox Lake, Jalna Resources Ltd., Lynx Canada Explorations Ltd., Merriel Lake, McIntyre Mines, Rayrock Mines Ltd., Rawlinson Lake, Rogers S., Selco Mining Corp. Ltd., South Wapageisi Lake, Stormy Lake, Sulpetro Minerals Ltd.,

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| III | Stormy Lake, Kenora District | | | |
| | Rocks | 42 | 4 | 11,13, |
| | | 44 | 4 | 20,16 |
| | Wapageisi Lake, South of Stormy Lake | | | |
| | Timber | 42 | 4 | 5 |
| V | Rayrock Mines Ltd. | | | |
| | Change of name | 64 | 1 | 60 |
| IX | Stormy - Eagle - Wabigoon Lakes Area, Kenora District | MP 75 | | 40-43 |
| | summary of field work, 1977 | | | |
| | by C. E. Balckburn | | | |
| | Wapageisi Lake | | | |
| | Lower Manitou Lake area, Kenora District | MP 89 | | 5,7 |
| | Wapageisi Volcanics | | | |
| | chemical analyses | | | |
| | Wabigoon Lake area, Kenora District | MP 89 | | 10,11 |
| | petrography | | | |
| | Wabigoon Lake area, Kenora District | MP 89 | | 5 |



GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

**Words searched:** T. Greenland Prospecting, Thundercloud Lake, Voyager Explorations Ltd., Waino Lake, Wapageisi Lake

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO. 8

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL COMPILATION MAPS | | |
| Bell, R. | 1881 | Geological Map of Lake of the Woods and Adjacent Country | GSC Map No.161 | 1" to 4 miles (1:253,440) |
| Blackburn, C. E. | 1981 | Kenora-Fort Frances, Kenora and Rainy River Districts Geological Compilation Series | OGS Map 2443 | 1" to 4 miles (1:253,440) |
| Davies, J. C. | 1964 | Manitou Lakes Sheet, Districts of Kenora and Rainy River. Geological Compilation Series. | OGS Map 242 | 1" to 2 miles (1:126,720) |
| Easton, R. M. | 1986 | Geochronology Compilation Map for Ontario; West-Central Ontario, Compilation Series. | OGS Map P.2843 | 1" to 16 miles (1:1,013,760) |
| McInnes, W. | 1902 | Manitou Lake Sheet, District of Rainy River | GSC Map No.720 | 1" to 4 miles (1:253,440) |
| Tanton, T. L. | 1939 | Kenora Sheet, Ontario. Canada Dept. of Mines and Resources | GSC Map No.266-A | 1" to 8 miles (1:506,880) |
| | | GEOPHYSICAL MAPS | | |
| GEO-ANALYSIS LTD. | 1981 | The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada. | OF 82-12 (Image 3026, Map 7) | 1:250,000 |
| O.D.M. - G.S.C. | 1962 | Stormy Lake, Sheet 52F/8 Aeromagnetic Series | Geophysics Paper 1144G | 1" to 1 mile (1:63,660) |
| O.D.M. - G.S.C. | 1977 | Airborne Gamma-Ray Spectrometry Survey, Dryden Sheet, Districts of Kenora and Rainy River. Geophysical Series. | Preliminary Maps P.1460 to P.1466 | 1" to 4 miles (1:253,440) |

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| O.G.S. | 1980 | Airborne Electromagnetic and Total Intensity Magnetic Survey. Manitou - Stormy Lakes Area, District of Kenora. Geophysical/Geochemical Series. | Maps 8047B, 80474, 80475 | 1:20,000 |
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Roed, M. A. | 1980 | Gold Rock Area, Districts of Kenora and Rainy River. Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5061. | NOEGTS 38 | 1:100,000 |
| Zoltai, S. C. | 1965 | Surficial Geology, Kenora - Rainy River. Ontario Department of Lands and Forests. | Map S165 | 1" to 8 miles (1:506,880) |
| | | MINERAL POTENTIAL MAPS | | |
| Springer, J. S. | 1978 | Dryden Sheet Districts of Kenora and Rainy River. Mineral Deposits Series. | OGS Map P. 1530 | 1:250,000 |
| Springer, J. S., Robertson, J. A., Vos, M. A. | 1982 | Mineral Potential, Potential Map of Ontario, West Central Sheet (accompanied by 1 overlay) | OFR 5326 | 1" to 16 miles (1:1,013,760) |
| Robertson, J. A., Vos, M. A., Springer, J. S. | 1976 | Mineral Potential Map of Ontario, West Central Sheet. Mineral Deposits Series. | ODM Map p. 1098 | 1" to 16 miles (1:1,013,760) |
| | | GEOLOGICAL REPORTS AND MAPS | | |
| Blackburn, C. E. | 1977 | Eagle Lake - Wabigoon Lake - Stormy Lake Area; in Summary of Field Work, 1977, edited by Milne, V. G., White, O. L., Barlow, R. B., Robertson, J. A. | OGS MP 75 | p. 40-43 |

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Blackburn, C. E., Bond, W. D., Breaks, F. W., Davis, D. W., Edwards, G. R., Poulsen, K. H., Trowell, N. F., Wood, J. | 1985 | Evolution of Archean Volcanic-Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review; in Evolution of Archean Supracrustal Sequences, GAC Special Paper 28, edited by Ayres, L. D., Thurston, P. C., Card, K. D., Weber, W. | GAC Special Paper 28 | p. 89 - 116 |
| Blackburn, C. E., Hailstone, M. R. | 1985 | Kenora Resident Geologist Area, Northwestern Region; in Report of Activities, 1984, Regional and Resident Geologists, edited by C. R. Kustra. | OGS MP 122 | p. 20 |
| Blackburn, C. E., Hailstone, M. R., Parker, J., Storey, C. C. | 1986 | Kenora Resident Geologist Area, Northwestern Region; in Report of Activities, 1985, Regional and Resident Geologists, edited by C. R. Kustra. | OGS MP 128 | p. 17 |
| Goodwin, A. M. | 1965 | Preliminary Report on Volcanism and Mineralization in the Lake of the Woods - Manitou Lake - Wabigoon Region of Northwestern Ontario. | ODM P.R. 1965-2 | 1" to 4 miles (1:253,440) 63 p. |
| Goodwin, A. M. | 1970 | Archean Volcanic Studies in the Lake of the Woods - Manitou Lake - Wabigoon Region of Northwestern Ontario. | ODM O.F.R. 5042 | 47 p. |
| Mackasey, W. O., Blackburn, C. E., Trowell, N. F. | 1974 | A Regional Approach to the Wabigoon - Quetico Belts and its Bearing on Exploration in Northwestern Ontario. | ODM MP 58 | 29 p. |
| Thomson, J. E. | 1933 | Geology of the Manitou - Stormy Lakes Area in Ontario Department of Mines Annual Report for 1933. Accompanied by map 42c, "Manitou - Stormy Lakes Area, District of Kenora, Ontario". | ODM Vol. 42 | p. 1 - 40 |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Rivett, S., McTavish, A. D. | 1980 | Wapageisi Lake Area, District of Kenora; Kenora Data Series. | OGS Map P. 2034 | 1" to ¼ mile (1:15,840) |
| Trowell, N. F., Blackburn, C. E., Edwards, G. R. | 1980 | Preliminary Synthesis of the Savant Lake - Crow Lake Metavolcanic-Metasedimentary Belt Northwestern Ontario and its Bearing upon Mineral Exploration. Accompanied by Chart A. | OGS MP 89 | p. 5,7,10,11 |
| Ziehlke, D. V. | 1975 | Eagle - Wabigoon - Dinorwic - Manitou Lakes Volcanic Belt; in Centre for Precambrian Studies, University of Manitoba, Annual Report, Part 2 - Research. | Centre for Precambrian Studies, 1975 Annual Report. | p. 35 - 48 |
| | | THESES | | |
| Foland, S. S. | 1982 | Geochemistry, Geochronology and Origin of an Archean Greenstone - Granite Terrain, Wabigoon Subprovince, Northwestern Ontario; M.Sc. Thesis, University of Montana. | | 166 p. |
| McMaster, G. W. | 1978 | Archean Volcanism and Geochemistry Washeibamaga - Thundercloud Lakes Areas, Wabigoon Subprovince - Superior province, Northwestern Ontario; M.Sc. Thesis, McMaster University. | | 222 p. |
| Sabag, S. F. | 1979 | The Geochemistry and Petrology of Granitoids at Meggisi Lake, Northwestern Ontario; M.Sc. Thesis, University of Toronto. | | 283 p. |

# NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX
(compiled from index maps only)

| Roll | Line | Photo Numbers |
|---|---|---|
| 1982 (scale 1" to 1/4 mile) | | |
| 49 | 4911 | 26 - 33 |
| 60 | 4911 | 162 - 172 |
| 38 | 4911 | 219 - 221 |
| 38 | 4912 | 43 - 56 |
| 38 | 4913 | 160 - 170 |
| 61 | 4913 | 26 - 31 |
| 37 | 4914 | 164 - 176 |
| 37 | 4915 | 47 - 60 |
| 36 | 4916 | 208 - 221 |
| 1965 (scale 1" to 1/4 mile) | | |
| 58 | 4911 | 73 - 85 |
| 61 | 4912 | 223 - 235 |
| 61 | 4913 | 74 - 86 |
| 60 | 4914 | 99 - 111 |
| 58 | 4915 | 168 - 180 |
| 57 | 4916 | 151 - 163 |
| 1952 (scale 1" to 1 mile) | | |
| A 13561 | | 55 - 57* |
| A 13560 | | 155 - 157* |

* Photographs on file in Resident Geologist's Office, Kenora

TOPOGRAPHIC MAPS

National Topographic System Maps

52F/8 Stormy Lake (scale 1:50,000)+

\+ Published maps currently available

No Ontario Base Map Series currently available for this area

GDIF FORM NO.10

# NOTES AND ADDENDA

MINERAL DEPOSITS FILE

NOTE: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Wapageisi Lake Occurrence
2. Kozowy, A., - Fox Lake Occurrence

NOTES

NOTE A:

Abundant sulfide mineralization occurs throughout the GDIF map area particularly WNW of and in the immediate vicinity of Wapageisi Lake along a zone of airborne EM conductors and mag anomalies (see OGS Map 80474). Only when trenched or significant reference is made in assessment reports has this sulphide mineralization been compiled as occurrences.

49°22'30"

92°30'00"

Thundercloud L.

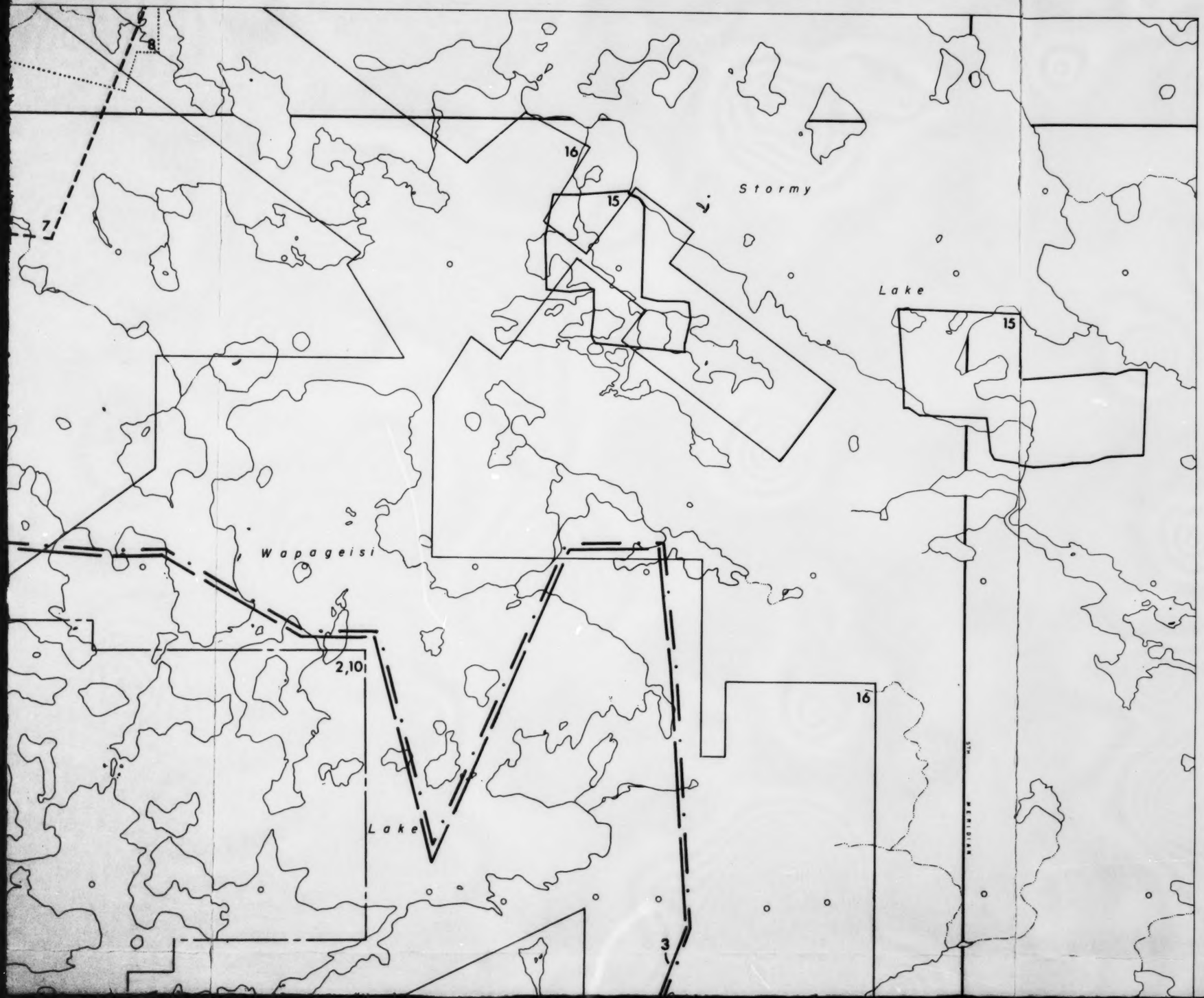
FOX LAKE?

4TH BASE LINE

WAINO LAKE

ELLEN'S LAKE

Wapageisi Lake


Stormy
Lake
Wapageisi
Lake
16
15
15
16
2,10
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1
11
12
13
14
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55
56

WAINO LAKE

ELLEN'S LAKE

Lake

South Wapageisi

Wapageisi

Rawlinson

Rawlinson Cr.

Rawlinson Cr.

Lake

R.

7

7

6

6

5

4

2,10

16

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

2,10

16

Lake

3

South

Wapageisi

MERRIEL LAKE

16

12

Wapageisi

Beak

L.

Lake

R.

92°15'00"

49°15'00"

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

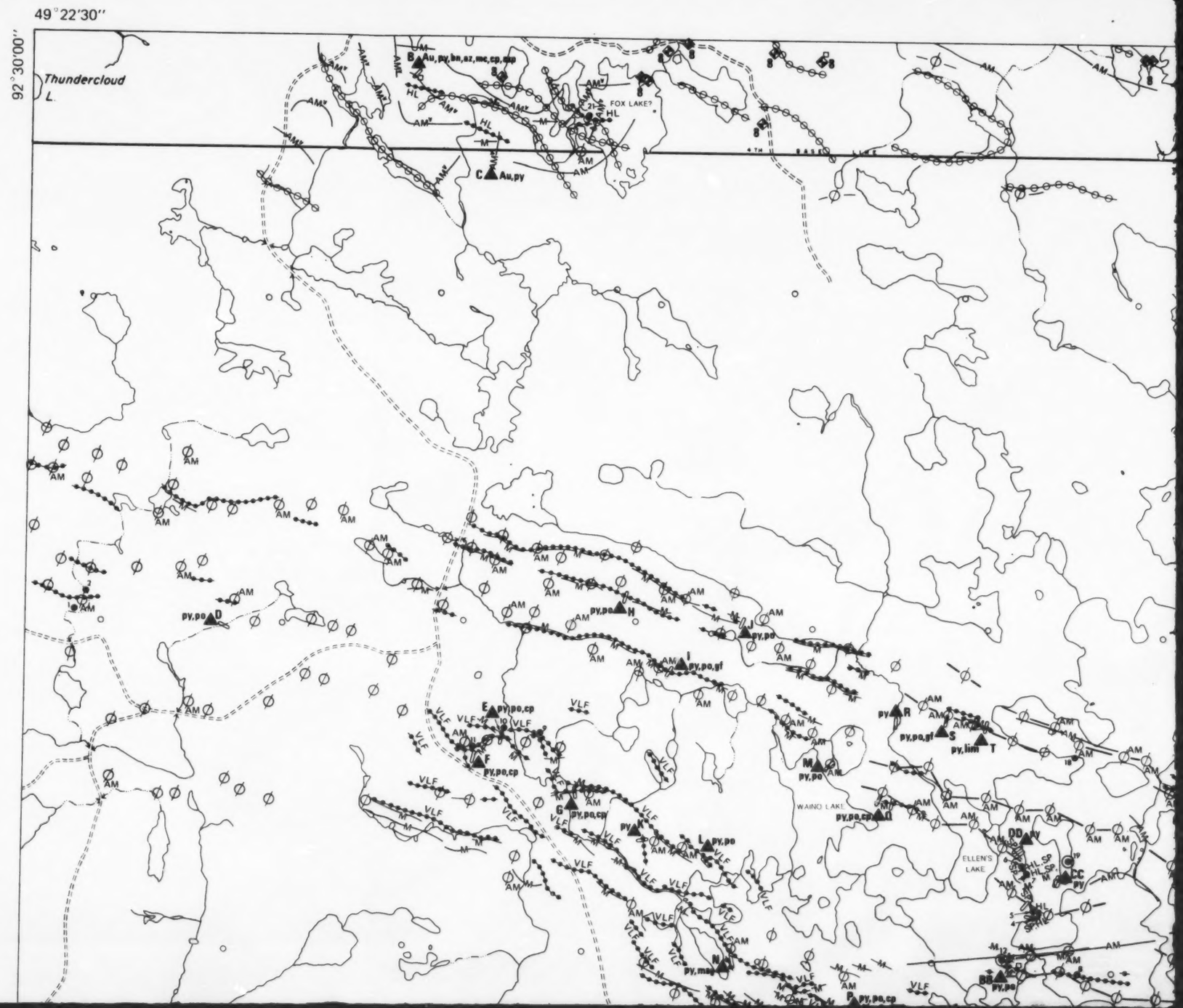
TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ■ ◆3 — Geochemical sample site, with reference number
- □ ◆3 — Area of geochemical sampling, with reference number
- □ ✳2 — Age dating material sampling site, with reference number
- □ — 

## GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly [1]
- □ — Airborne electromagnetic anomaly Length of anomaly along flight line
- ■ — Airborne electromagnetic anomaly [2] Location of anomaly along flight line
- ■ — Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- □ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ HL — Ground electromagnetic anomaly [3] ( VLF-Very Low Freq; HL-Horizontal Loop; D-AEM-Dip Angle EM )
- □ RA — Ground radiometric anomaly
- □ IP — Induced polarization anomaly
- ■ SP — Self potential anomaly
- □ — Audio-frequency magnetic anomaly



9°22'30"

Thundercloud L.

FOX LAKE?

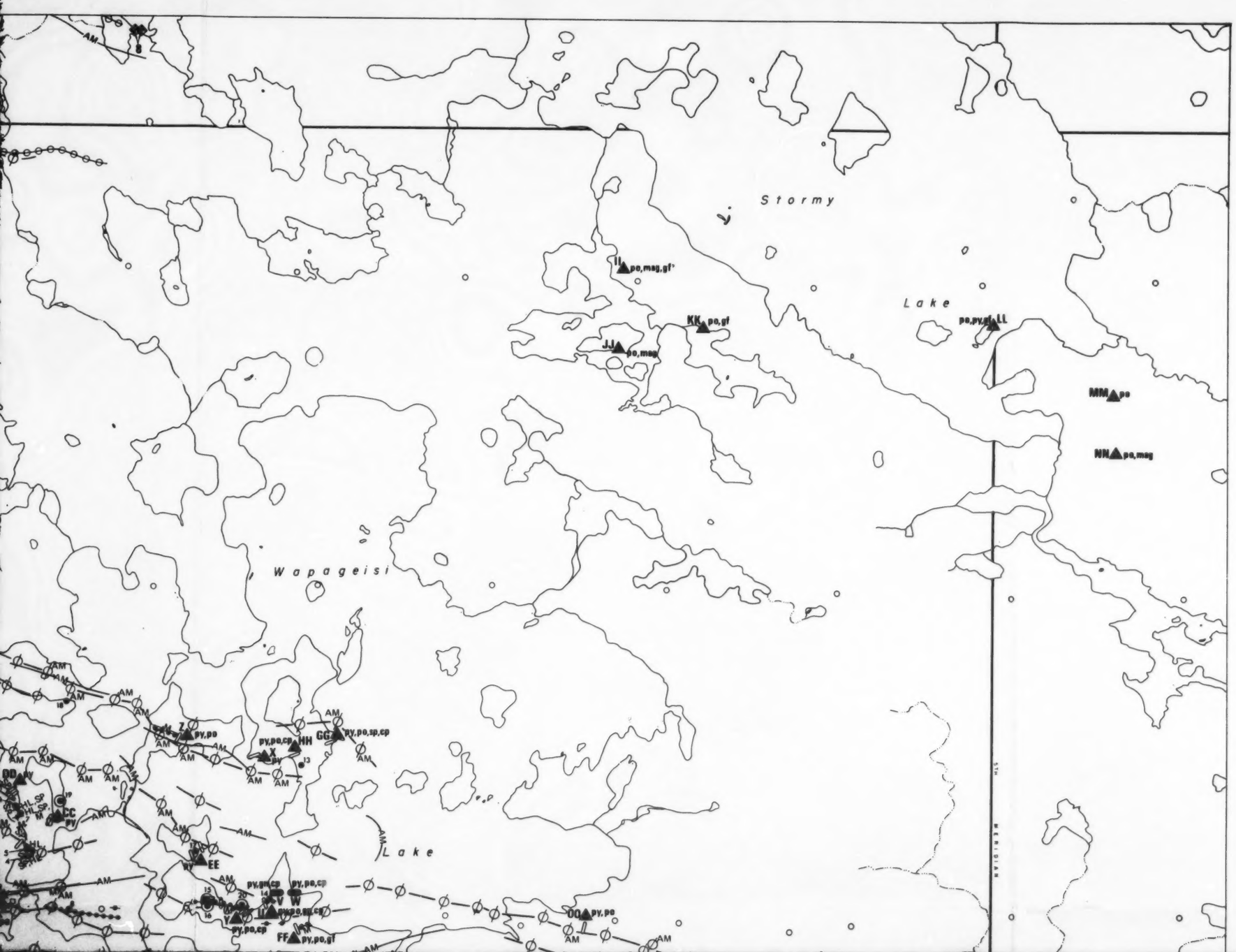
4TH BASSO LAKE

Stormy L.

WAINO LAKE

ELLEN'S LAKE

Wapageisi Lake




Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 444

( Map 2 of 2 )

# WAPAGEISI LAKE AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter

Airborne electromagnetic anomaly
Length of anomaly along flight line

Airborne electromagnetic anomaly [2]
Location of anomaly along flight line

Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible

ARA — Airborne radiometric anomaly

M — Ground magnetic anomaly

HL — Ground electromagnetic anomaly [3]
( VLF-Very Low Freq; HL-Horizontal Loop; D-AEM-Dip Angle EM )

RA — Ground radiometric anomaly

IP — Induced polarization anomaly

SP — Self potential anomaly

AFMAG — Audio-frequency magnetic anomaly
( total intensity )

R — Resistivity anomaly

GR — Gravity anomaly

Airborne VLF Electromagnetic Anomaly

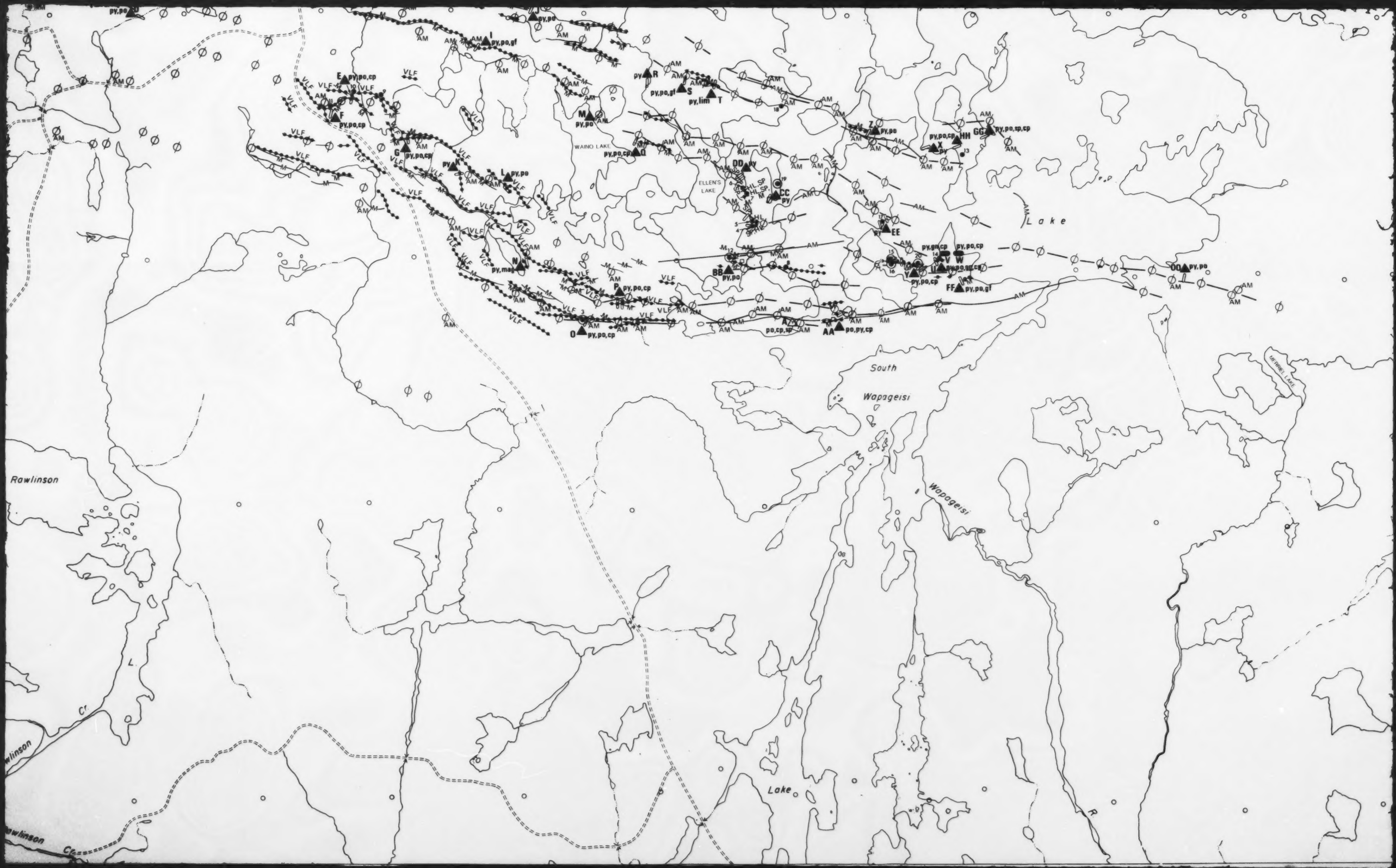
NOTE 1: Anomalies with superscript "v" (ie AM) are based on vertical magnetic gradient
NOTE 2: Airborne Electromagnetic Anomalies with "AM" (ie ØAM) have coincident aeromag anomalies
NOTE 3: All ground Electromagnetic Anomalies are D-AEM Anomalies unless otherwise specified

## MISCELLANEOUS DATA

Trenching, pit
Adit
Open pit

Rock quarry
Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.


WAINO LAKE
ELLEN'S LAKE
Lake
South
Wapageisi
Wapageisi
Lake
R
Rawlinson
Rawlinson
Rawlinson
MITCHINET LAKE
E py,po,cp
F py,po,cp
G py,po,cp
I py,po,gf
L py,po
M py,po
N py,mag
O py,po,cp
P py,po,cp
Q py,po,cp
R py
S py,po,gf
T py,lim
A po,cp,sp
AA po,py,cp
BB py,po
CC py
DD py
EE py
FF py,po,gf
GG py,po,sp,cp
HH py,po,cp
V py,po,cp
W py,po,cp
X py
Y py,po,cp
Z py,po
DD py,po

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- cp ▲ A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number
- ☐

### DRILLHOLES

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- (?)² — Drillhole, exact location uncertain, with reference number
- ◎ — Property with underground drillholes in this general area, with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number
- ☐

92°15'00"